

FIG. 1

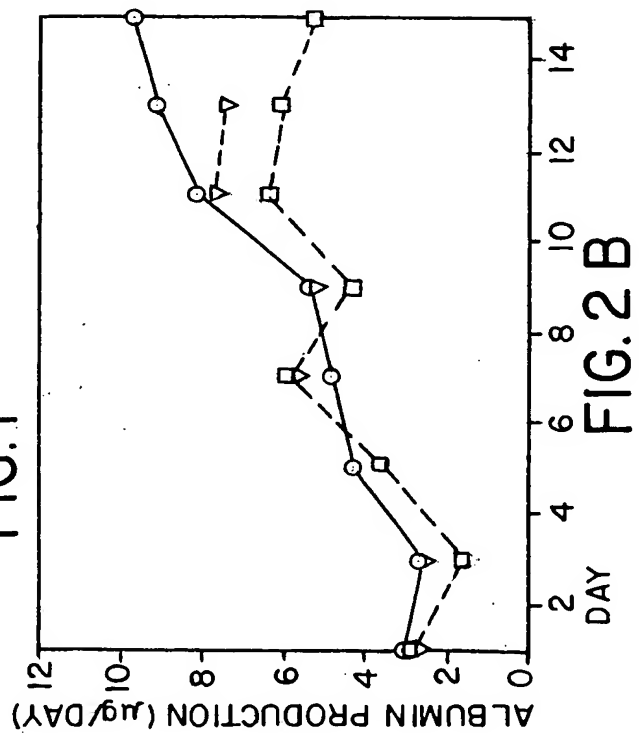


FIG. 2B

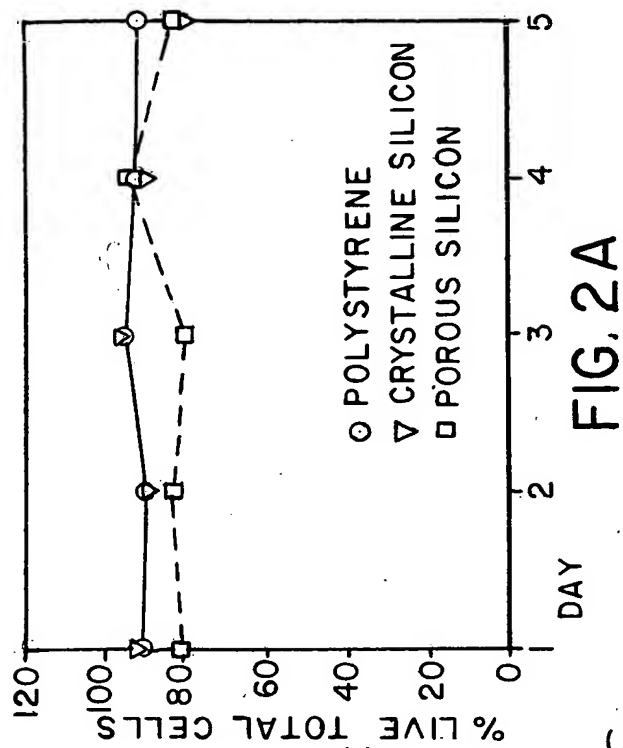


FIG. 2A

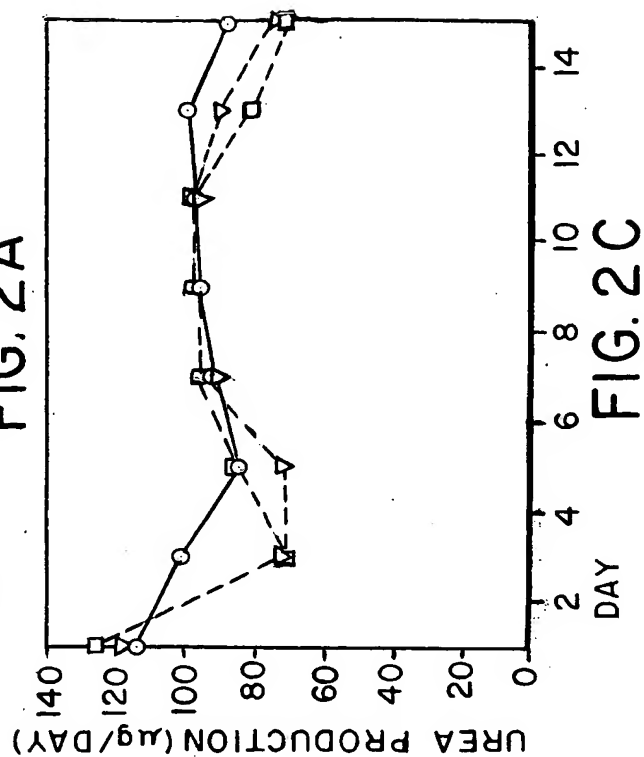


FIG. 2C

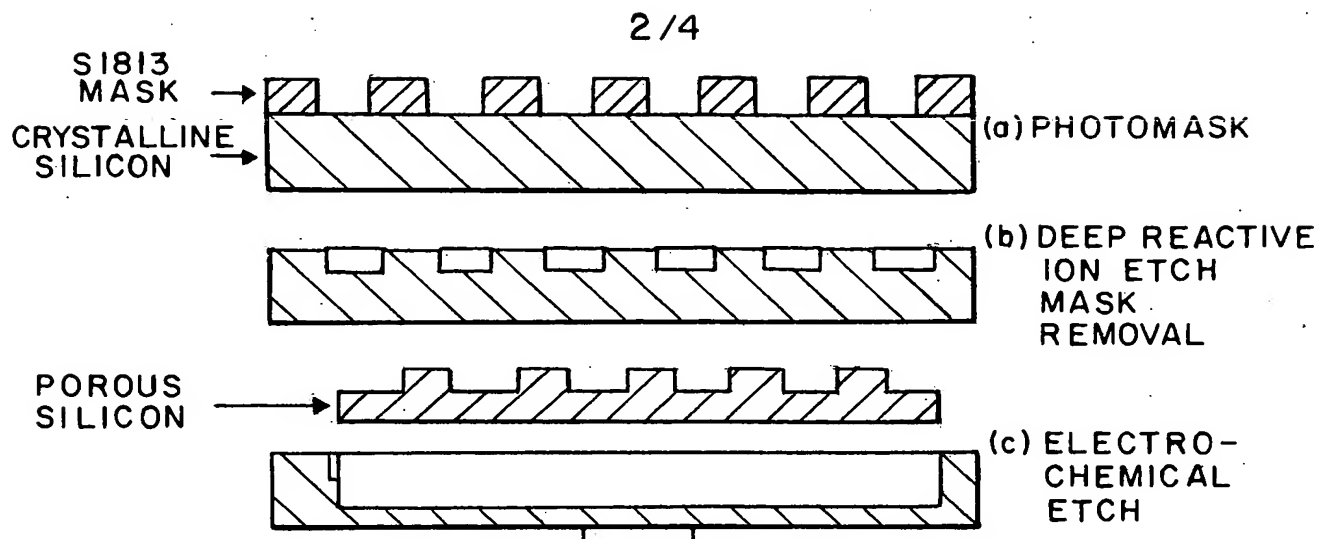


FIG. 3 A

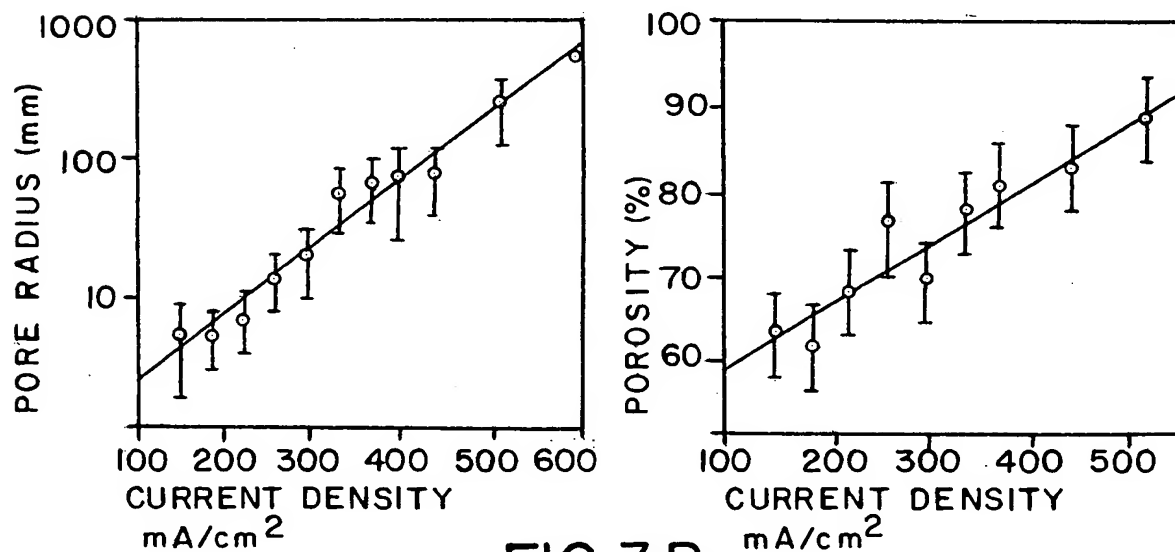


FIG. 3 B

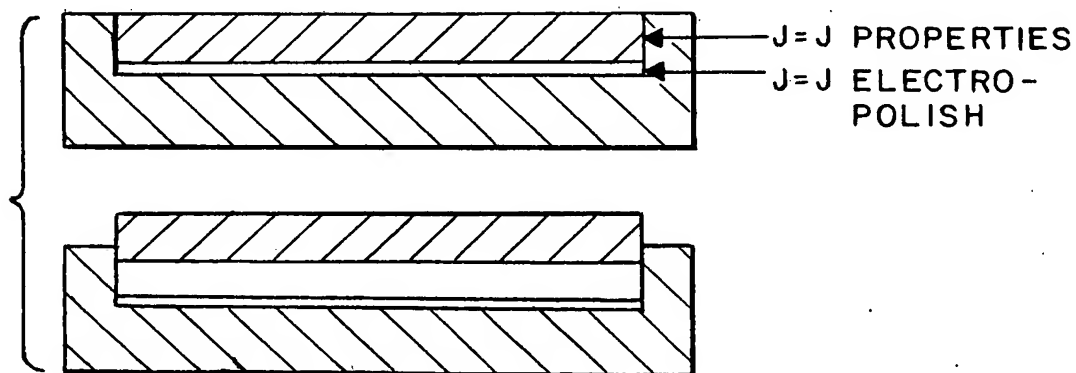


FIG. 3 C

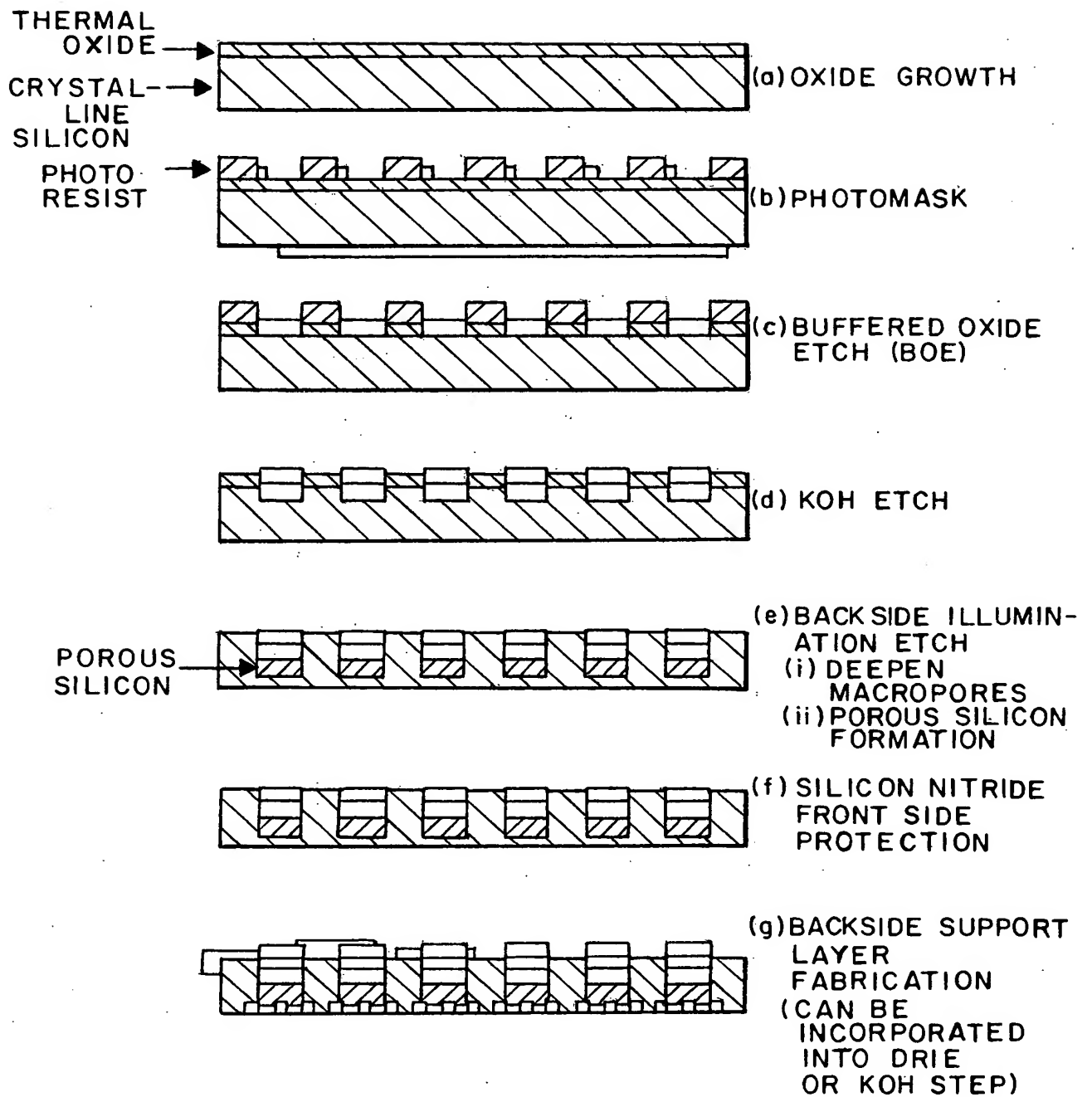
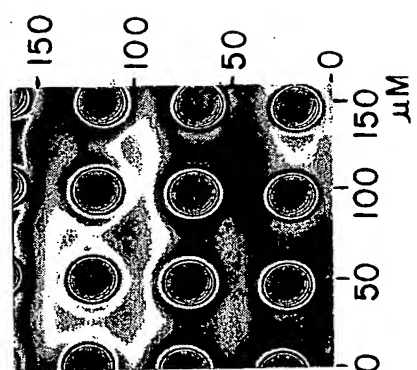
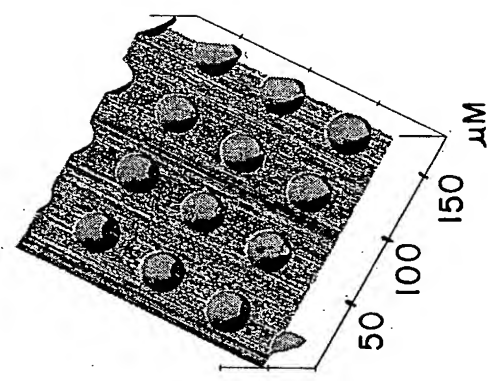


FIG. 4

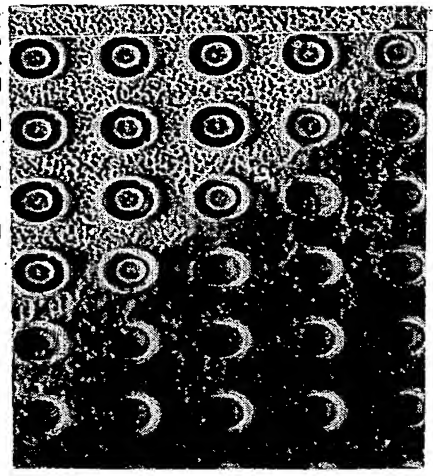
(a) AFM OF MASK ON
5Ω cm N-TYPE SI



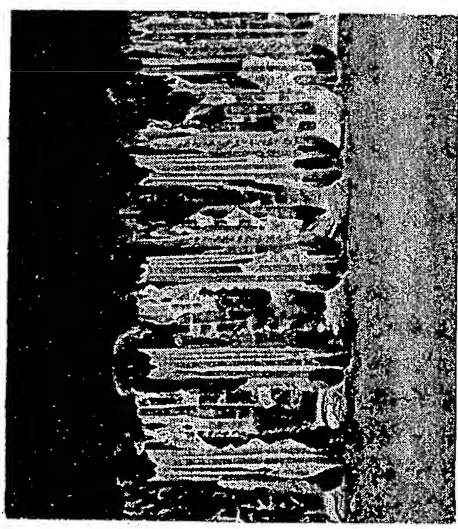
(b) AFM OF PORE INITIATION
WITH WET ETCHANT



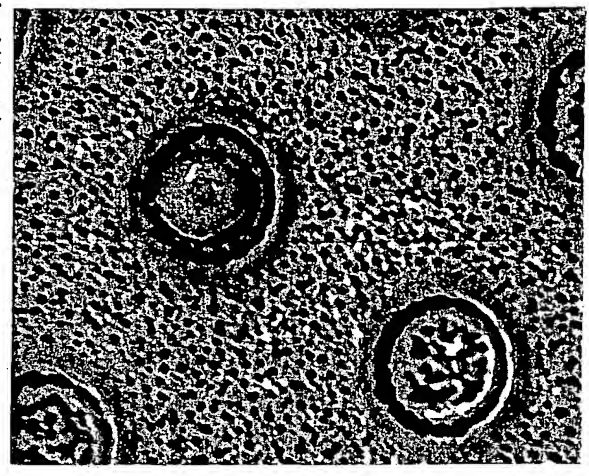
(c) PLAN VIEW SEM
AT O-RING INTERFACE
ELECTROCHEMICAL ETCH



(d) X-SECT SEM SHOWS
INCOMPLETE EROSION



(e) SEM OF DAY ONE
HEPATOCYTE ON/(IN) ARRAY



HEPATOCYTES
IN SILICON
(20mm DIAMETER
CIRCLES, 50mm PITCH)

FIG. 5